



Higher yields are available with K-Mag[®] fertilizer



K-Mag[®] Features and Benefits:

- *Uniform distribution of three essential nutrients across your field*
- *100% water solubility of K, Mg and S*
- *Low-chloride source of potassium for crop safety*
- *Higher yields and profitability*

Why K-Mag?

The shortage of just one essential nutrient can shortchange canola yields and quality. Growers can optimize canola yields and maximize profits by providing a balanced soil fertility program that ensures all 17 essential nutrients are available to plants.

K-Mag[®] fertilizer provides three essential nutrients in the highly available sulfate form. Available in PREMIUM, GRANULAR and STANDARD grades, K-Mag provides 21–22% potassium (K₂O), 10.5–11% magnesium (Mg) and 21–22% sulfur (S).

Increase canola yields

K-Mag is the ideal nutrient source for canola. A popular oilseed crop, canola requires high levels of available S to produce quality oil and meal. Unlike elemental S, K-Mag supplies S in the sulfate form, so nutrients are immediately available during spring applications. Canola also can benefit from the low-salt index of K-Mag. Extremely sensitive to salt effects of other fertilizers, canola can thrive with seed-placed K-Mag, because K-Mag is a neutral salt.

Each of the three essential nutrients in K-Mag contributes to increased canola productivity:

Potassium (K)

As with all small grains, canola requires adequate potassium levels to produce high-quality oil and high-protein meal. K plays a valuable role in enzyme activation, photosynthesis and sugar translocation. Helping to increase water-use efficiency, K improves frost and drought resistance. K also boosts disease and insect tolerance, promotes healing of wounds from insects, hail and wind, and prevents lodging.

Magnesium (Mg)

Magnesium lies at the heart of the sunlight-trapping chlorophyll molecule. As rates of photosynthesis decline, so do quality and yield. In plants, Mg also influences the uptake of other nutrients. For example, it acts as a phosphorus (P) carrier, such that P uptake is impossible without adequate Mg. K-Mag provides a readily available soluble source of Mg.

Sulfur (S)

Canola's Sulfur requirement cannot be overstated. A 2,000-lb/ac canola crop contains 12 lbs S/ac in the straw and 15 lbs S/ac in the seed, more than twice that of wheat. S applications can dramatically impact yield, and deficiencies can devastate a crop. Visual deficiency symptoms include delayed flowering; erect leaves on the upper parts of the plant; cupping, purpling young leaves; and small, poorly filled seed pods.

Ensure your canola crop has all the nutrients it needs to thrive. Contact your local K-Mag dealer or visit **KMAG.com** today to learn about adding K-Mag to your balanced crop nutrition program.